

Translation

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference Hausma98.001	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/DE98/03361	International filing date (<i>day/month/year</i>) 10 November 1998 (10.11.98)	Priority date (<i>day/month/year</i>) 24 December 1997 (24.12.97)
International Patent Classification (IPC) or national classification and IPC B29B 15/12		
Applicant HAUSMANN, Joachim		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.

2. This REPORT consists of a total of 5 sheets, including this cover sheet.

☒ This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of 8 sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability: citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☒ Certain defects in the international application
- VIII ☐ Certain observations on the international application

Date of submission of the demand 06 July 1999 (06.07.99)	Date of completion of this report 31 March 2000 (31.03.2000)
Name and mailing address of the IPEA/EP	Authorized officer
Facsimile No.	Telephone No.

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1. Basis of the report

1. This report has been drawn on the basis of (Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to the report since they do not contain amendments.):

- ☐ the international application as originally filed.
- ☒ the description. pages 1.3.5-16 . as originally filed,
pages _____ . filed with the demand,
pages 2.2a.4 . filed with the letter of 16 December 1999 (16.12.1999) .
pages _____ . filed with the letter of _____ .
- ☒ the claims. Nos. _____ . as originally filed,
Nos. _____ . as amended under Article 19.
Nos. _____ . filed with the demand,
Nos. 1-42 . filed with the letter of 16 December 1999 (16.12.1999) .
Nos. _____ . filed with the letter of _____ .
- ☒ the drawings. sheets/fig 1/8-8/8 . as originally filed,
sheets/fig _____ . filed with the demand,
sheets/fig _____ . filed with the letter of _____ .
sheets/fig _____ . filed with the letter of _____ .

2. The amendments have resulted in the cancellation of:

- ☐ the description. pages _____
- ☐ the claims. Nos. _____
- ☐ the drawings. sheets/fig _____

3. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

4. Additional observations, if necessary:

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V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	2 - 19, 21 - 42	YES
	Claims	1, 20	NO
Inventive step (IS)	Claims		YES
	Claims	2 - 19, 21 - 42	NO
Industrial applicability (IA)	Claims	1 - 42	YES
	Claims		NO

2. Citations and explanations

Claim 1

D1 (JP-A-59 184 615) (cf. abstract) discloses a method of impregnating fibrous material, wherein an impregnating agent is introduced into the spaces in the fibrous material and surrounds the individual fibres, the impregnating agent being fed via openings in a homogeneous, porous feed body over which the fibrous material is moved away in sliding manner.

Since D1 discloses that the matrix material is guided into the fibres through the slit in the tube and the porous material simultaneously fully fills this slit, the porous material is regarded as a feed body. Therefore contact is automatically brought about between the sintered body and the fibrous material, since the fibre bundle is guided through the sintered body.

Therefore the subject matter of Claim 1 is not novel and this claim itself does not meet the requirements of PCT Article 33(2).

Claims 2 to 19

These dependent claims disclose features which appear to be applicable at the discretion of a person skilled in the art, such as, for example:

- the stripping of the impregnating agent as per Claim 5;
- the duromer impregnating material according to the current Claim 6; or
- the thermoplastic impregnating material according to the current Claim 7 (cf. page 2, lines 26 and 27 of D2 (WO 95/25000)).

Claim 20

D1 also discloses (cf. abstract) a device for impregnating fibrous material, the device comprising a feed body with openings for feeding an impregnating agent, a conveying device for moving the fibrous material through the device and past the feed body, and arrangements for feeding impregnating agent to the homogeneous, porous feed body which is permeable to the impregnating agent and of which the surface comes into contact with the fibrous material (cf. the comments on Claim 1).

Therefore the subject matter of Claim 20 is not novel and this claim itself does not meet the requirements of PCT Article 33(2).

Claims 21 to 42

These claims disclose design features which appear to be at the discretion of a person skilled in the art, such as the size of the pore openings in the porous body according to Claim 22 of the application or its length according to

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the current Claim 23.

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VII. Certain defects in the international application

The following defects in the form or contents of the international application have been noted:

The features in the claims should be provided with reference signs placed between parentheses (PCT Rule 6.2(b)). This applies in particular to the independent claims, namely their preambles and their characterizing parts.